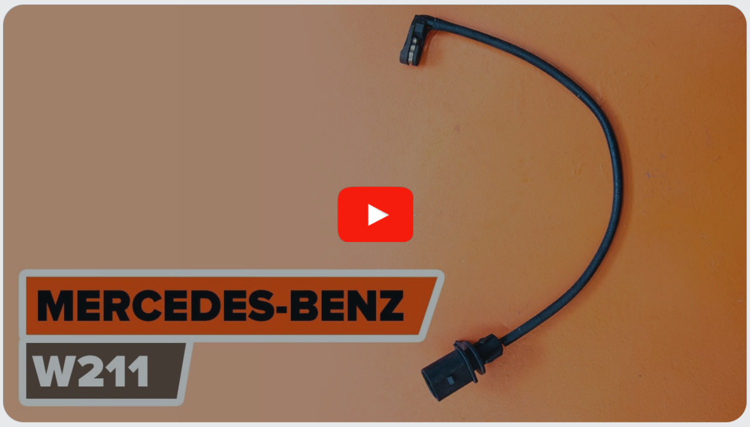
AUTODOC CLUB

How to change rear brake pad wear sensor on **Mercedes W211** – replacement guide

VIDEO TUTORIAL

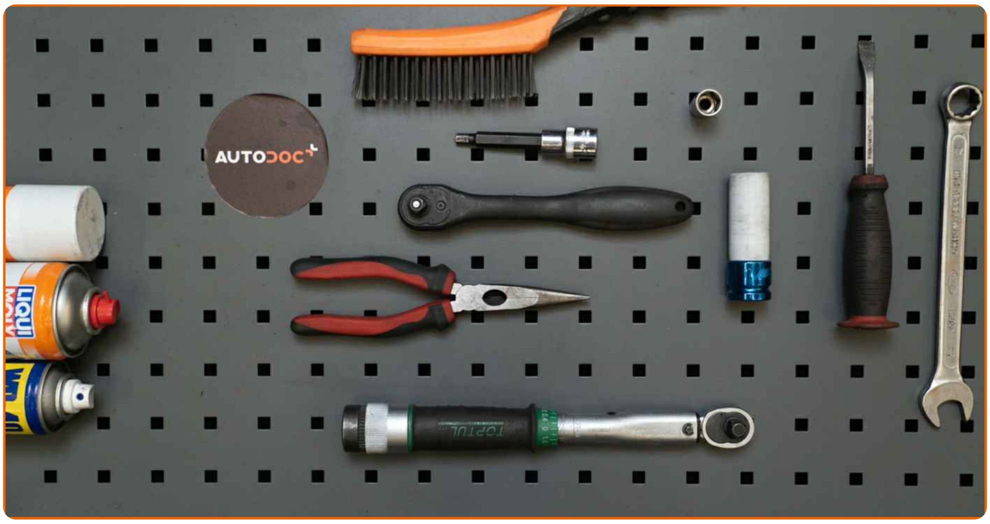


Important!

This replacement procedure can be used for:
MERCEDES-BENZ CLS (C218) CLS 350 (218.359), MERCEDES-BENZ CLS (C218) CLS 250 CDI / BlueTEC / d (218.303, 218.304), MERCEDES-BENZ CLS (C218) CLS 350 CDI (218.323), MERCEDES-BENZ S-Class Saloon (W221) S 400 Hybrid (221.095, 221.195), MERCEDES-BENZ C-Class T-modell (S204) C 250 CGI (204.247), MERCEDES-BENZ C-Class T-modell (S203) C 220 CDI (203.208), MERCEDES-BENZ M-Class (W166) ML 500 4-matic (166.073), MERCEDES-BENZ CLS (C218) CLS 500 (218.373), MERCEDES-BENZ C-Class Saloon (W204) C 180 CDI (204.000), MERCEDES-BENZ C-Class Saloon (W204) C 200 CDI (204.001), MERCEDES-BENZ C-Class Saloon (W204) C 250 CDI 4-matic (204.082), MERCEDES-BENZ C-Class Saloon (W204) C 300 CDI 4-matic (204.092), MERCEDES-BENZ C-Class Saloon (W204) C 350 (204.057), MERCEDES-BENZ C-Class Saloon (W204) C 350 4-matic (204.088), MERCEDES-BENZ S-Class Coupe (C216) CL 500 (216.373), (+ 442)

The steps may slightly vary depending on the car design.

REPLACEMENT: BRAKE PAD WEAR SENSOR – MERCEDES W211. TOOLS YOU NEED:



- Wire brush
- Brake cleaner
- Copper grease
- Torque wrench
- HEX bit No.H7
- Wheel impact socket #17
- Ratchet wrench
- Crow bar
- Round-nose pliers
- Wheel chock

BUY TOOLS

Replacement: brake pad wear sensor – Mercedes W211. Tip from AUTODOC:

- The replacement procedure is identical for both brake pad wear sensors on the same axle.
- Please note: all work on the car – Mercedes W211 – should be done with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1 Open the bonnet.



2 Connect the service equipment and switch the SBC system to service mode.



Please note!

- Some vehicles may not have the SBC system.

3 Unscrew the brake fluid reservoir cap.



4 Secure the wheels with chocks.

5 Loosen the wheel mounting bolts. Use wheel impact socket #17.



6 Raise the rear of the car and secure on supports.



7 Unscrew the wheel bolts.



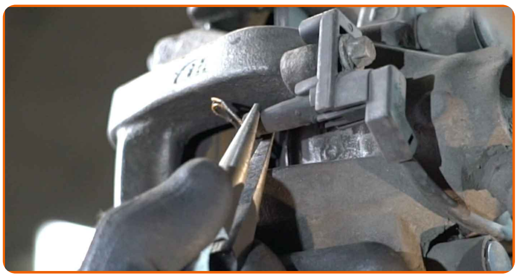
AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts. Mercedes W211

8 Remove the wheel.



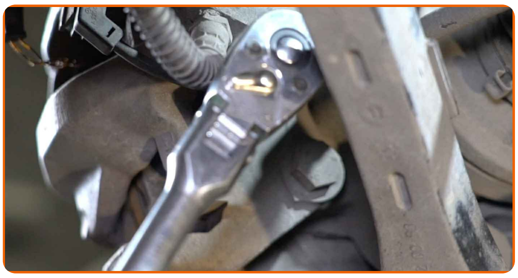
9 Detach the connector of the brake pad wear sensor. Use round-nose pliers.



10 Detach the brake caliper retaining spring. Use a crowbar.



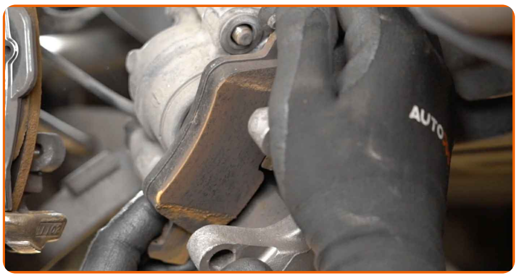
11 Unscrew the brake caliper fastening. Use HEX No.H7. Use a ratchet wrench.



12 Spread the brake pads. Use a crowbar.



13 Remove the brake caliper.



Replacement: brake pad wear sensor – Mercedes W211. AUTODOC recommends:

- Tie the caliper to the suspension or to the body with a wire without disconnecting from the brake hose to prevent depressurization of the brake system.
- Make sure that the brake caliper is not hanging on the brake hose.
- Don't press the brake pedal after the brake caliper has been removed. As a result, the piston can fall out from the brake cylinder, and brake fluid leakage and depressurization of the system may occur.
- Check the brake caliper bracket, brake caliper guide pins and boots. Clean them. Replace, if necessary.

14 Remove the brake pads.



15 Remove the brake pad wear sensor from the brake pad.

16 Clean the brake caliper bracket from dirt and dust. Use a wire brush. Use a brake cleaner.



AUTODOC recommends:

- Replacement: brake pad wear sensor – Mercedes W211. After applying the spray, wait a few minutes.

17 Install the brake pads.



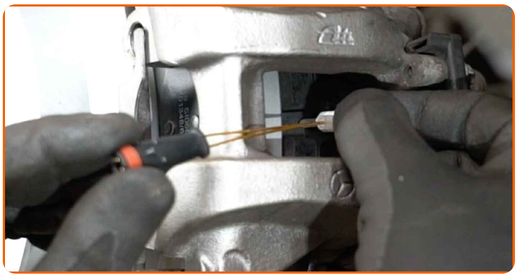
18 Install the brake caliper and fix it. Use HEX No.H7. Use a torque wrench. Tighten it to 28 Nm torque.



19 Install the brake caliper retaining spring.



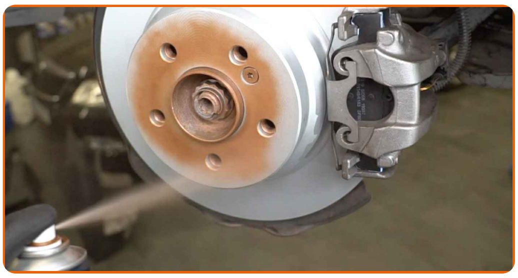
20 Install the wear sensor on the brake pads.



21 Attach the connector of the brake pad wear sensor.



22 Treat the surface where the brake disc contacts the wheel rim. Use copper grease.



23

Clean the brake disk surface. Use a brake cleaner.



AUTODOC recommends:

- Replacement: brake pad wear sensor – Mercedes W211. After applying the spray, wait a few minutes.

24

Install the wheel.



AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. Mercedes W211

25

Screw in the wheel bolts. Use wheel impact socket #17.



26 Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 130 Nm torque.



27 Remove the jacks and chocks.



28 Switch the SBC system to operating mode and disconnect the service equipment.

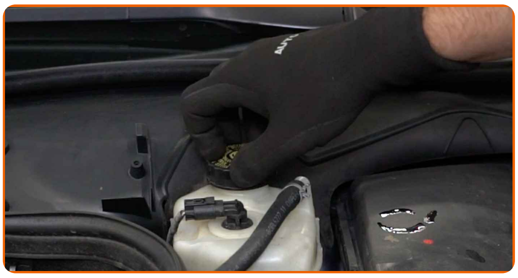


Replacement: brake pad wear sensor – Mercedes W211. Tip from AUTODOC experts:

- Check the brake fluid level in the expansion tank and refill if necessary.

29

Tighten the brake fluid reservoir cap. Close the hood.



Replacement: brake pad wear sensor – Mercedes W211. AUTODOC recommends:

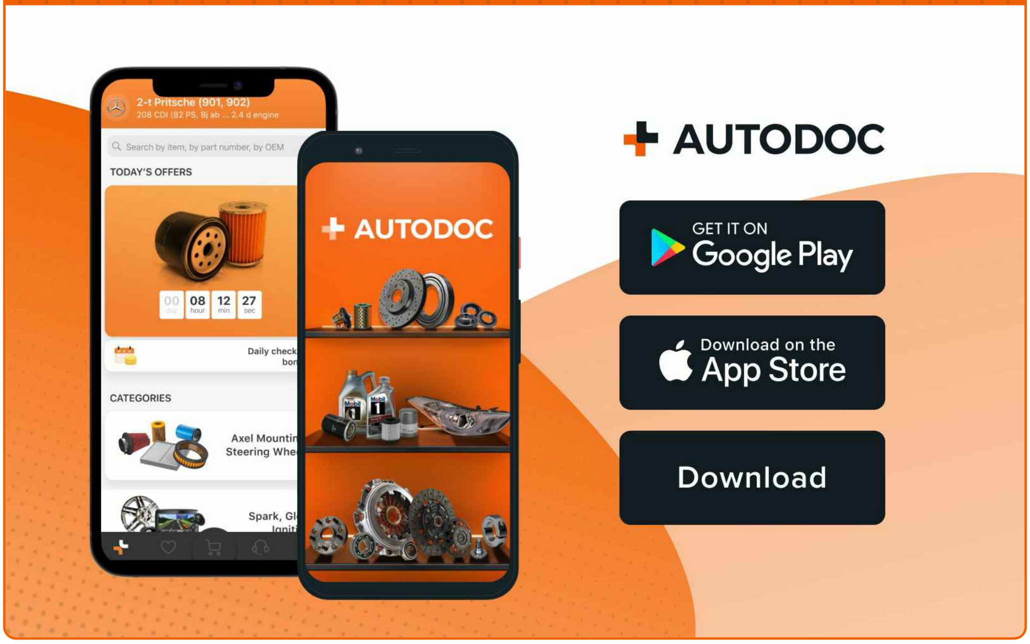
- Without starting the engine, press the brake pedal several times until you feel significant resistance.

WELL DONE!

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